DYNO

USER MANUAL

CHAIR PROVIDER: THIS MANUAL MUST BE GIVEN TO THE USER OF THIS DEPENDENT MOBILITY BASE

USER: READ THIS MANUAL BEFORE USING THIS DEPENDENT MOBILITY BASE AND SAVE FOR FUTURE REFERENCE

Product delivered may vary from the one described and pictured in this manual.

Revision 15-0729

You have made a great choice for your child by choosing a Leggero chair. We believe that every child should be able to function to the best of their ability. We welcome questions and comments about our products and services. Please contact us or an authorized provider using the information below.

Leggero
174 D Shepherd Trail
Bozeman, MT 59718
Toll Free: 1-844-503-KIDS
www.leggero.us

Authorized Leggero Provider:

Provider Name	
Address	
Phone	
Email	
Website	

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Section 1: Introduction, Warnings, & Features

1.1 Introduction

Thank you for selecting the Dyno chair. This manual explains how to operate, adjust, and maintain your Dyno chair. The product as described is subject to technical alterations without notice.

We are sorry that we cannot offer this user information in a format, appropriate for use by visually impaired people. The visually Impaired must contact an authorized Leggero provider to obtain information and instruction in the form of verbal communication and hands on training if necessary.

1.2 Intended Dyno User

Rehab pushchairs and pediatric positioning systems are appropriate for children who are limited to a seated position and require mobility and positioning assistance. Individuals who need such assistance can have a wide variety of diagnosis limiting their ability to achieve mobility without such a system. For maximum occupancy rating and additional specifications, reference section 1.7 of this manual.

1.3 Intended Dyno Attendant

Attendants who operate the chair must be visually, mentally, and physically capable of safely operating the chair under all circumstances. Attendants must read and follow all instructions provided in this manual.

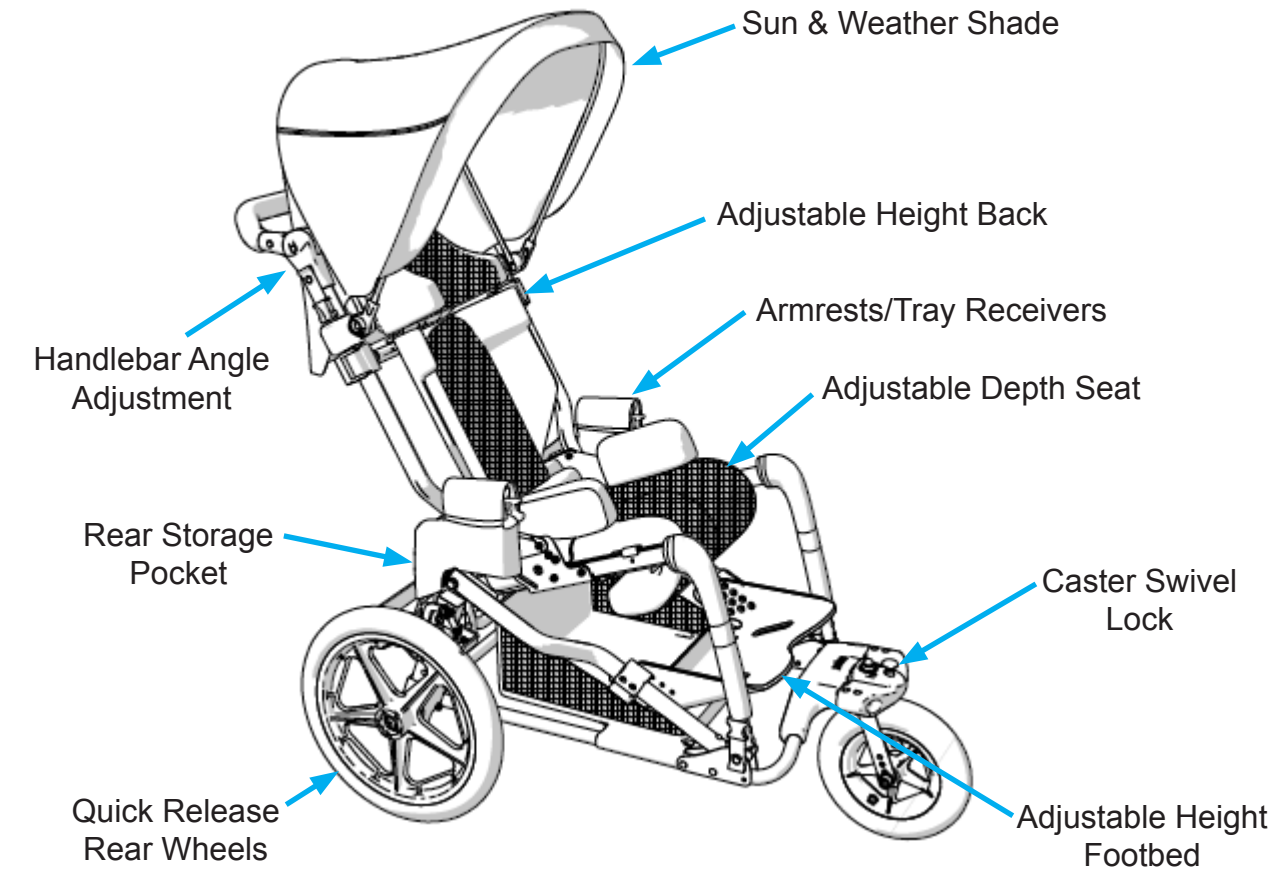
1.4 Terms of Warranty

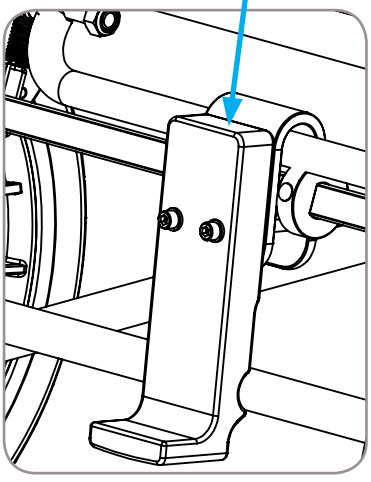
Warranty applies only when the product is used in concordance with the manufacturer's recommendations and for the intended purposes and specified conditions of the product.

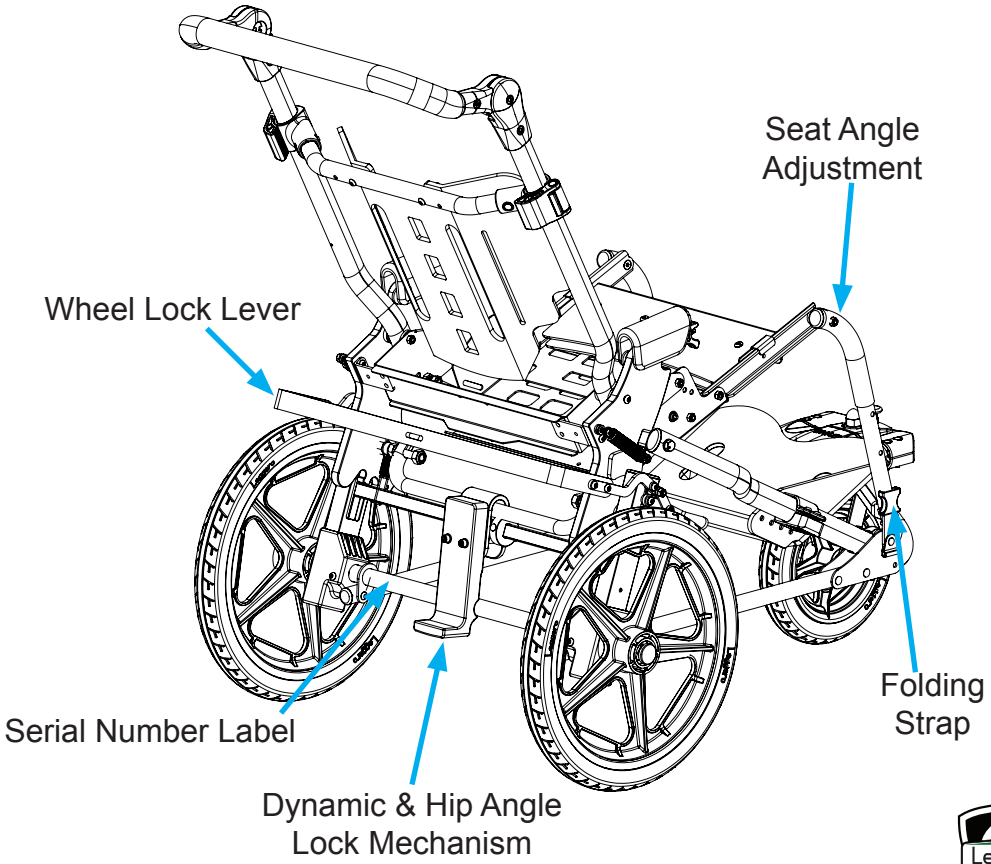
1.5 Service and Repairs

Service and repair of the Dyno chair should be performed only by Leggero authorized providers. Should any problems arise, please contact the provider that supplied the chair. Authorized providers only replace and install original Leggero spare parts.

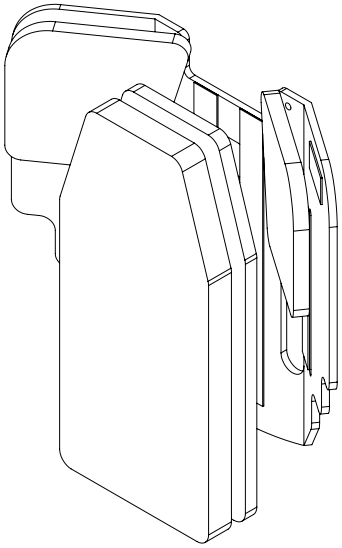
1.6 Features


Sun & Weather Shade
Adjustable Height Back
Armrests/Tray Receivers
Handlebar Angle Adjustment
Adjustable Depth Seat
Rear Storage Pocket
Caster Swivel Lock
Quick Release Rear Wheels
Adjustable Height Footbed

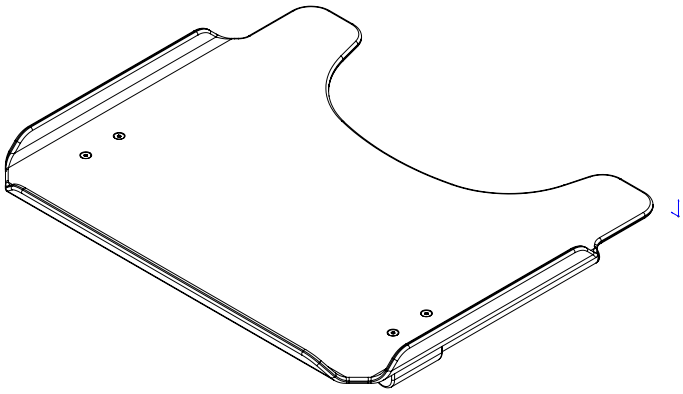

Folding


Seat Angle Adjustment
Wheel Lock Lever
Folding Strap
Serial Number Label
Dynamic & Hip Angle Lock Mechanism

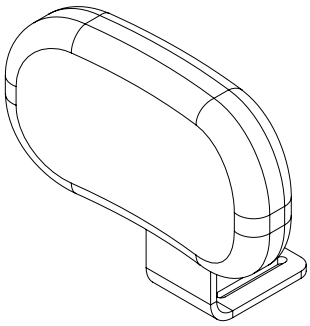
1.7 Seating & Positioning Components



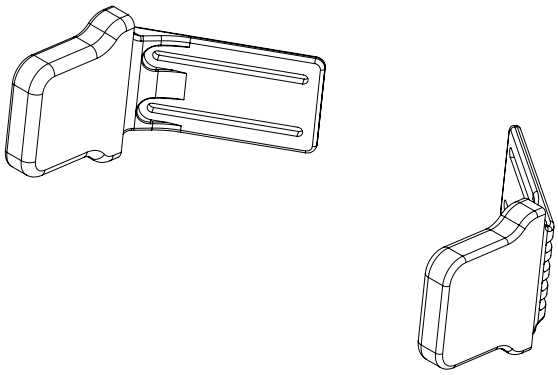
Respond Back Cushion



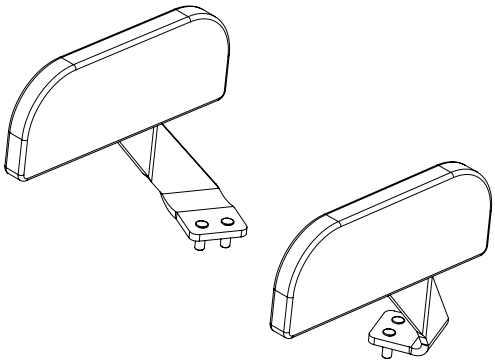
Therapeutic Positioning Tray



Headrest Options



Lateral Thoracic Supports



Lateral Pelvic Supports

1.8 Adjustability and Specifications

Adjustability

Seat Depth	6-14” (15-35cm)
Seat Width	14” (35cm)
Lower Leg Length	8.5-14” (15-35cm)
Back Height	13-21” (29-53cm)
Hip Angle Adjustment	90°, 120°
Seat Angle	20°, 23°, 26°

Specifications

Maximum User Weight	80lb (36kg)
Push Handle Height Range	40-45” (101-114cm)
Mobility Base Weight	26lb (12kg)
Overall Width	26.5” (67cm)
Front Tire Diameter	10” (25cm)
Rear Tire Diameter	16” (41cm)
Folded Dimensions	39 x 18 x 26.5” (99 x 46 x 67cm)
Reversing Width	41” (104cm)
Maximum Safe Slope	5°

Section 2: Warnings

Read this Manual Completely Before Using

All caregivers and/or attendants must read this user manual prior to operating the Dyno chair. Familiarize yourself with the handling and functions of the product prior to actual use. If there is any information in this manual that you do not understand, please contact your authorized Leggero provider for assistance.

Failure to follow instructions or comply with warnings within this manual could result in personal injury and/or damage to the Dyno chair, potentially voiding the warranty.

Symbols Used on Product Warning Labels and in User Manual

WARNING!
The word “WARNING” or this symbol indicate practices that are unsafe or dangerous and could result in serious injury to the occupant and/or caregiver.

WARNING! READ INSTRUCTION MANUAL

Choose The Right Chair & Safety Options

In the mobility industry, there are several options available to meet the needs of children. Make sure that your (and your provider’s) choice of chair and other options takes into account your child’s comfort, positioning, physical limitations, and hazards that may be encountered during daily use.

Warnings: Failure to Follow These Warnings Could Result in Serious Injury or Death

WARNING! All caregivers and/or attendants must read this user manual prior to operating the Dyno chair. Familiarize yourself with handling and functions of the product prior to actual use. If there is any information in this manual that you do not understand, please contact your authorized Leggero provider for assistance.

WARNING! Non-conventional use and/or handling of the product can be dangerous. The pushchair is not safely suitable for skating or similar high speed activities. Swiveling front wheels can wobble at higher speed and can cause a sudden stop and tip over of the chair. Use of the caster swivel locks is recomended. For maximum safety use the pushchair only at regular walking speed. Under no circumstance should you let go of the handlebar while pushing. Do not ever push the chair away.

WARNING! The initial set up of this pushchair must be performed by a qualified technician.

WARNING! Procedures other than those described in this manual must be performed by a qualified technician.

WARNING! The weight carried by the Dyno chair must not exceed the total weight limit of 80lb/36kg (Maximum occupant weight plus weight of accessories and/or items carried.)

WARNING! Adjustments made to the chair may affect stability, increasing the risk of tipping. Adjustments must be made by your authorized Leggero provider.

WARNING! Avoid getting the chair wet or storing the chair in damp environments. Excess moisture can cause rust or corrosion, which can result in component failure. If the chair is exposed to moisture, dry thoroughly.

WARNING! Do not leave the chair or child in the sun or near other heat sources since the surfaces on the chair may reach temperatures capable of burning the child. Do not leave the chair or child outside in cold temperatures because contact with a chair in temperatures below freezing could result in injury. Damage to the chair may also result from exposure to extreme hot or cold temperatures.

WARNING! The chair should only be used on solid and level ground. Do not attempt to push the chair over or into obstacles. Always remove the child from the chair when lifting chair to clear obstacles.

WARNING! Do not use the chair on slopes steeper than 5 degrees. Do not leave the chair parked on a slope or an incline. Pay particular attention when on slopes and inclines to prevent the child from falling out of the chair, the chair from tipping over, or the chair from rolling away.

WARNING! Before leaving the chair and before getting into and out of it, always engage the wheel locks. Do not use the wheel locks to stop the chair while moving.

WARNING! Never leave your child unattended in the chair even if they are strapped in and the wheel locks are engaged.

WARNING! If the chair occupant reaches for objects in front, to the side, or behind the chair, be sure that they do not lean too far. The shift in the center of gravity might cause the chair to tip over.

WARNING! If equipped with pneumatic tires, the handling of the chair is influenced by tire pressure. Correctly inflated tires considerably improve maneuverability. Front and rear tire air pressure should be at least 35 PSI/240 kPa.

WARNING! Do not stand on the footplate when transferring into or out of the chair.

WARNING! When folding the chair, be aware that there is a risk of injury through fingers becoming crushed or trapped. Reference section 4.7 of this manual for further information.

WARNING! The chair is only intended to carry one child at a time. Do not carry more than one child at a time.

WARNING! Only lift the chair by parts that are solidly attached. The chair should be lifted by the side frame members whenever possible. If folded, hold the chair by the lower side frame tubes. Always use two people for lifting to prevent injury and damage to the chair.

WARNING! Please keep packaging material away from children. Discard all plastic packaging material immediately after unpacking.

WARNING! If your chair is not equipped with the transit option, do not use it as a seat in a motor vehicle. Transfer the child from the chair to an approved motor vehicle seat. If your chair is equipped with the transit option, refer to the section 4.14 in this manual.

WARNING! The chair must be inspected and maintained per the chart in Section 6: Maintenance. Problems detected must be repaired prior to resuming use of the chair.

WARNING! Many of the fasteners used to construct the Dyno chair consist of a bolt with a nut that contains a nylon lock ring. These connections must be maintained and secured with the original equipment fasteners and properly adjusted. For proper adjustment of pivot points, consult your authorized service provider.

Section 3: Unpacking the Dyno Chair

1. Remove chair from packaging.
2. Discard all plastic packaging materials.
3. Install rear wheels, reference Figure 1.
4. Check for proper adjustment of quick release axles by pulling outward on wheel. Wheel should hold in place.
5. Engage wheel locks, reference section 4.1 of this manual.
6. Unfold frame and seat back, reference Section 4.7 of this manual.
7. Check tire pressure. Front and rear tire pressure should be 35 PSI/240 kPA.

WARNING! Please keep packaging material away from children. Discard all plastic packaging material immediately after unpacking.

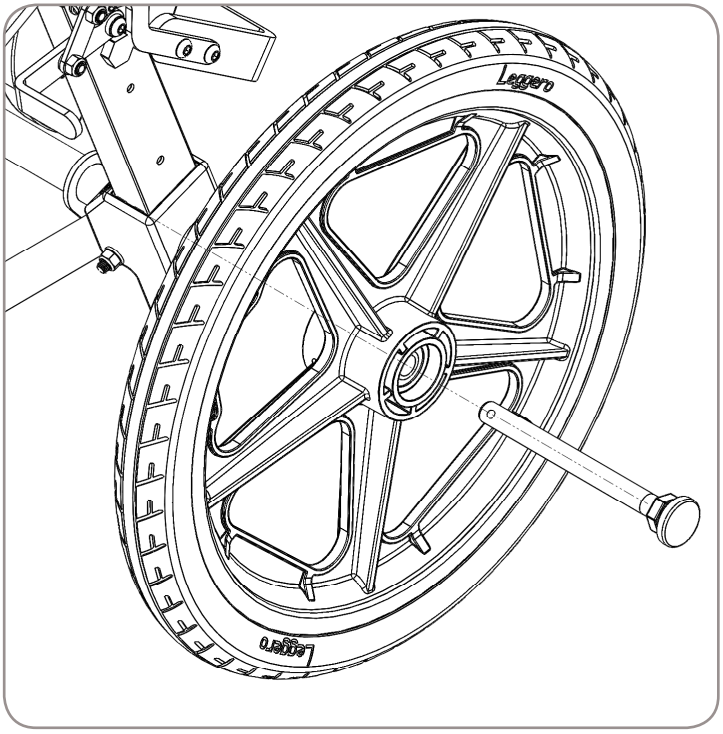
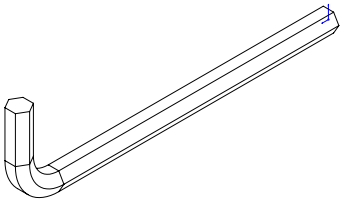


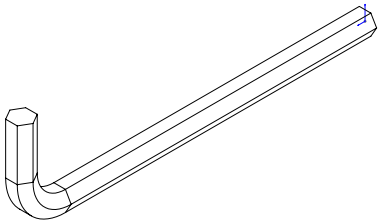
Figure 1

Section 4: Operation and Adjustment

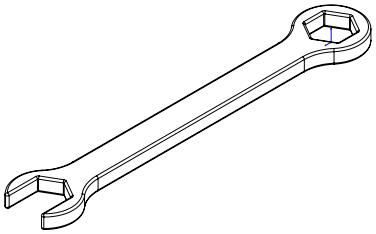
Tools Required:



4mm Hex Wrench



5mm Hex Wrench



10mm Wrench

4.1 Wheel Lock Operation

1. To engage wheel locks, pull up on center of crossbar with foot. Reference Figure 2.
2. Verify wheel locks are engaged on each side by trying to move chair front to back.
3. To disengage wheel locks, push down on center of crossbar with foot. Reference Figure 3.

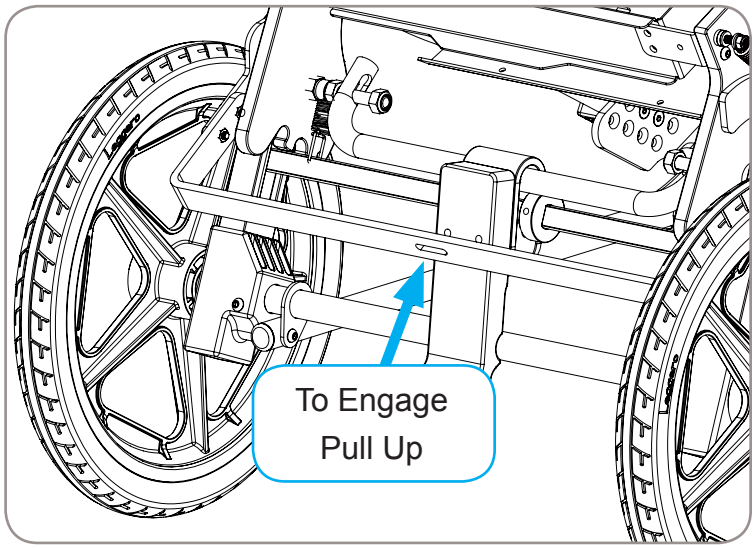


Figure 2

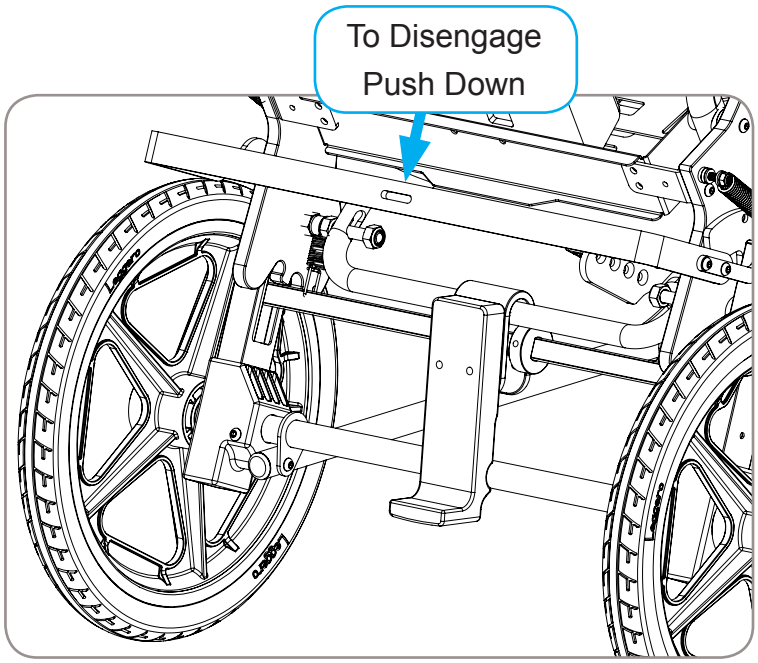


Figure 3

4.2 Handlebar Angle Adjustment

1. Press and hold buttons with thumbs on inside of each adjustment ratchet, reference Figure 4.
2. Adjust handlebar to desired angle.
3. Release buttons.

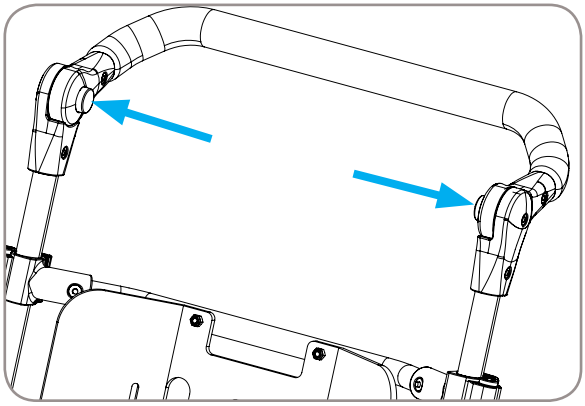


Figure 4

4.3 Caster Swivel Lock Engagement

1. To engage caster swivel lock, rotate wheel forward as shown in figure 6.
2. Lift plunger on swivel lock mechanism and turn 90 degrees.
3. Release plunger and verify that caster fork is locked.
4. Reverse procedure to return to swiveling mode.

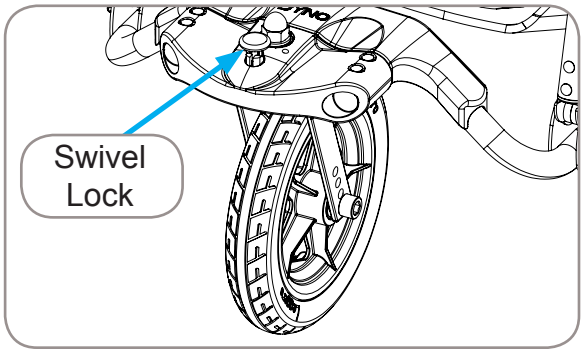
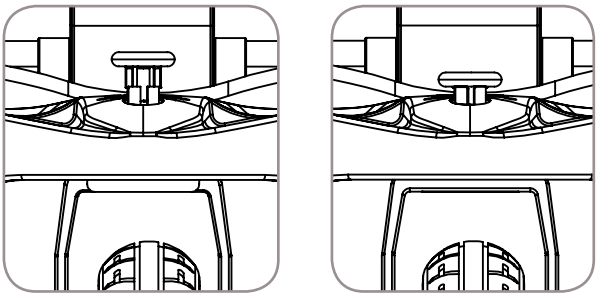


Figure 5, Unlocked



Unlocked Locked

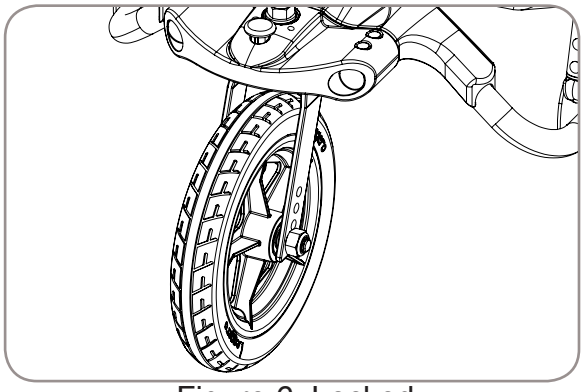


Figure 6, Locked

4.4 Seat Tilt Angle Adjusment

1. Engage wheel locks.
2. Press snap buttons inward.
3. Push or pull upper bent tube to align desired position.
4. Release snap buttons and verify proper engagement.

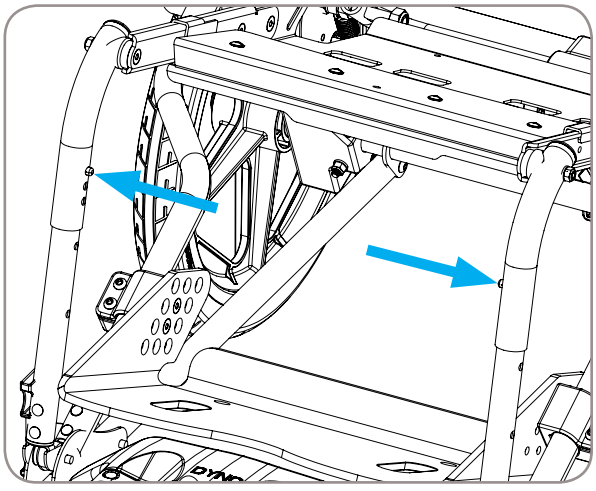


Figure 7

4.5 Hip Angle Adjustment & Activator Dynamic Seating Mode

Chairs Equipped with Activator Dynamic Seating Option

1. Engage wheel locks.
2. Place both hands on handlebar.
3. To lock hip angle in 90° position, push handlebar as far forward as possible.
4. To lock hip angle in 120° position, pull handlebar as far rearward as possible.
5. Hold handlebar position, using foot pull upward on hip angle lock mechanism. Reference Figure 8.
6. Verify that hip angle position is locked by lightly pushing and pulling on handlebar.
7. To return to unlocked Activator Dynamic Seating mode, push down mechanism until it clicks in place. Notch will be aligned with rear axle tube as shown in Figure 8.

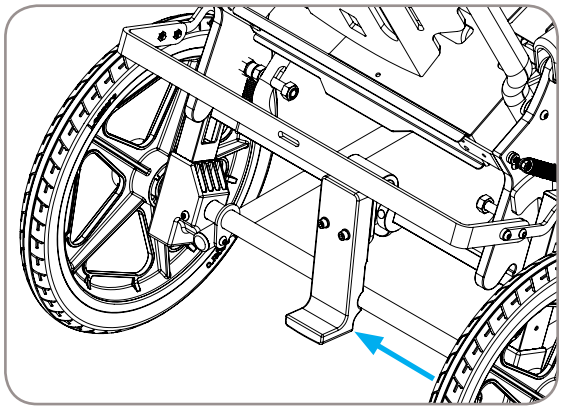


Figure 8, Hip Angle Unlocked

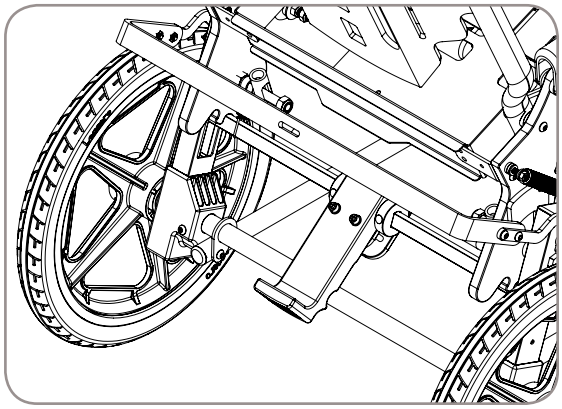


Figure 9, Hip Angle Locked

4.6 Hip Angle Adjustment

Chairs NOT Equipped with Activator Dynamic Seating Option

1. Engage wheel locks.
2. Place both hands on handlebar.
3. Using foot, push downward on hip angle lock bar. Reference Figure 10.
4. Adjust hip angle to desired position.
5. Release bar.
6. Verify that hip angle position is locked by lightly pushing and pulling on handlebar.

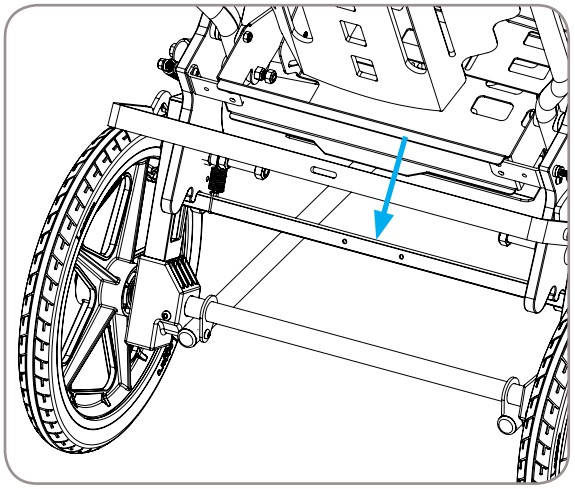


Figure 10

4.7 Folding and Unfolding

Chairs Equipped with Activator Dynamic Seating Option

1. Engage wheel locks.
2. Place hands on handlebar.
3. Adjust chair to hip angle unlocked (Activator Dynamic) position.
4. Using foot, push down on top of hip angle lock mechanism.
5. Push handlebar forward and down.
6. Adjust handlebar forward to achieve lowest profile.
7. To unfold, pull back on handlebar.

WARNING! When folding or unfolding, keep arms, hands, and feet clear of moving components to avoid injury. Reference Figure 11, arrows indicate potential pinch points.

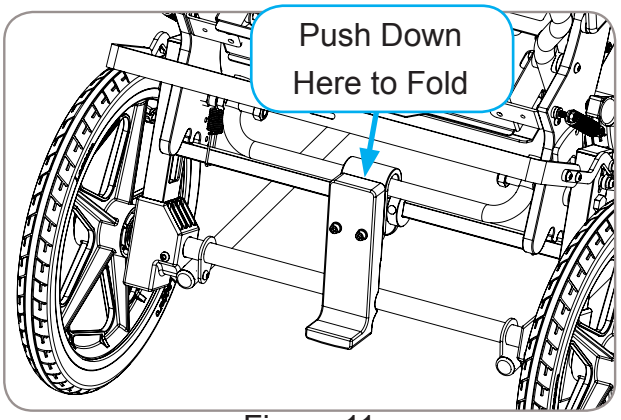


Figure 11

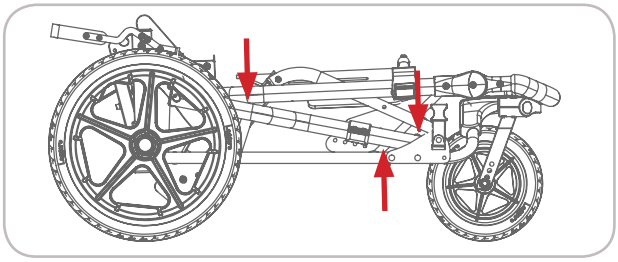
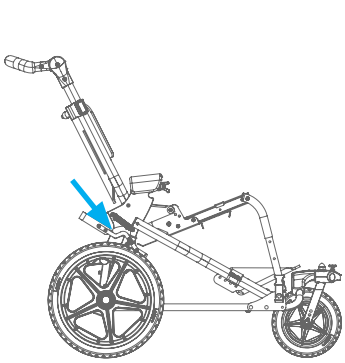
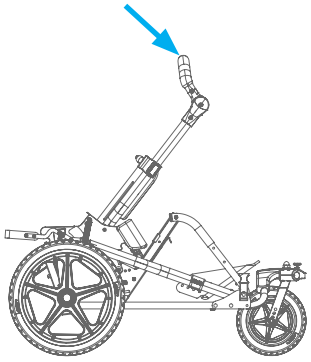


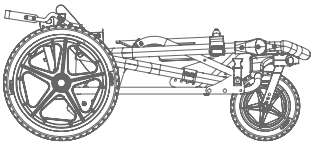
Figure 12



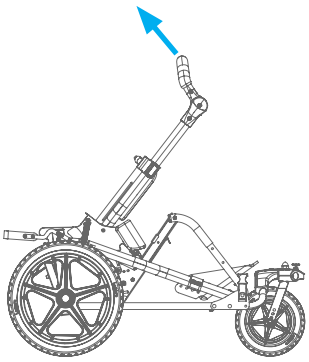
Push down on top of mechanism with foot



Push Forward on Handlebar



Dyno in Folded Position



Pull Back on Handlebar to Unfold

4.8 Folding and Unfolding

Chairs NOT Equipped with Activator Dynamic Seating Option

1. Engage wheel locks.
2. Place hands on handlebar.
3. Using foot, push down on top of hip angle lock bar.
4. Push handlebar forward and down.
5. Adjust handlebar forward to achieve lowest profile.
6. To unfold, pull back on handlebar.

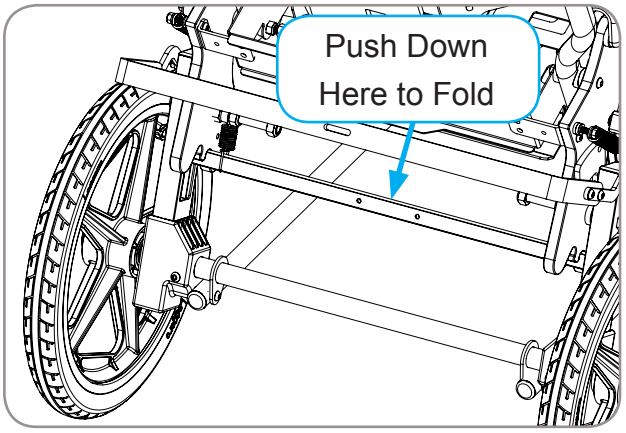


Figure 13

4.9 Footbed Adjustment

1. Loosen button head bolts [1] on left and right clamps (2 bolts per side). 4mm hex wrench required.
2. Slide footbed up or down to desired position.
3. Tighten bolts.
4. Footbed position can also be moved front to back by removing and reinstalling flat head bolts [2] (2 per side) in different hole positions. 4mm hex wrench required.

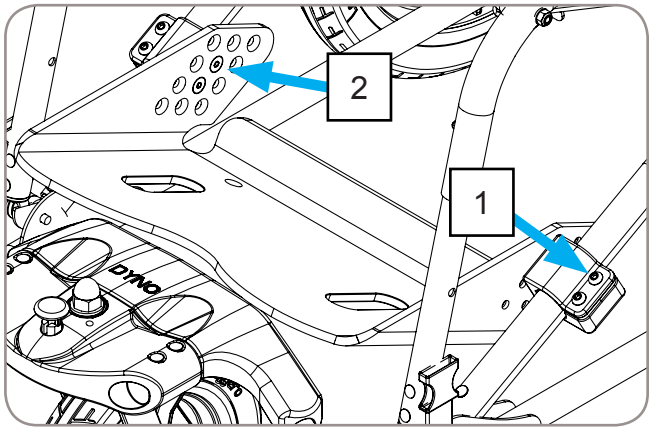


Figure 14

4.10 Back Height Adjustment

1. Pull back height adjustment levers outward, reference Figure 15.
2. Adjust back height to desired position.
3. Push back height adjustment levers inward until they snap into locked position.

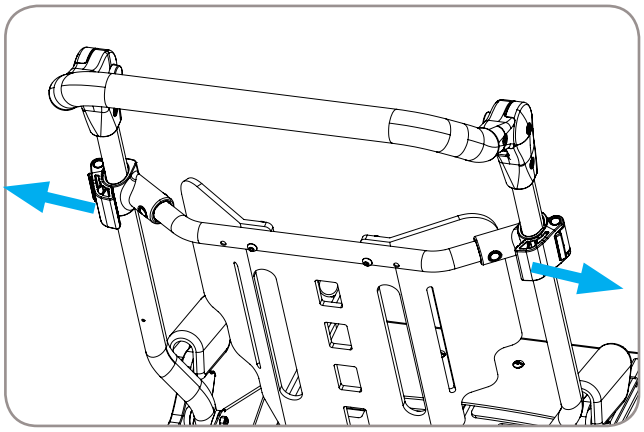
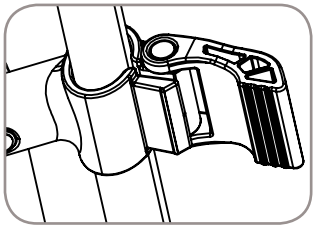
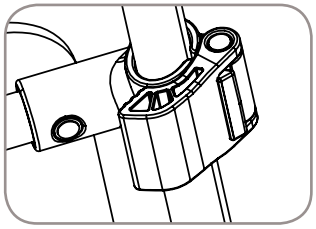


Figure 15


Unlocked


Locked

4.11 Seat Depth Adjustment

1. Loosen seat cushion straps.
2. Loosen knob under center of seat plate.
3. Adjust front seat assembly to desired depth.
4. Tighten knob.
5. Tighten seat cushion straps.

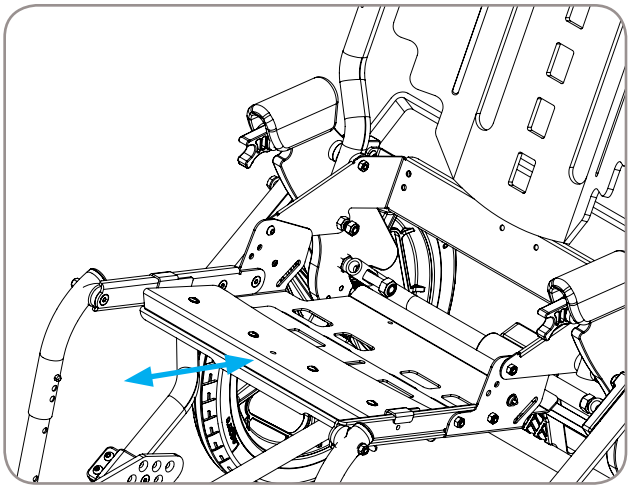
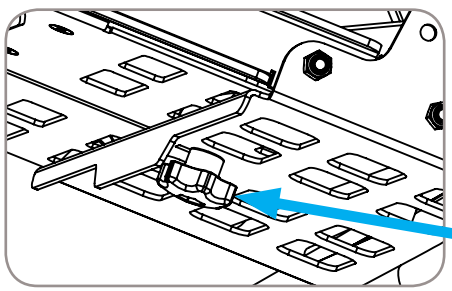


Figure 16


Knob

4.12 Tray or Grab Bar Use

1. To install tray or grab bar, swing left and right cam locks downward. Reference Figure 17.
2. Slide tray or grab bar into receivers to desired depth.
3. Swing left and right tray cams upward to lock in place. Reference Figure 18.

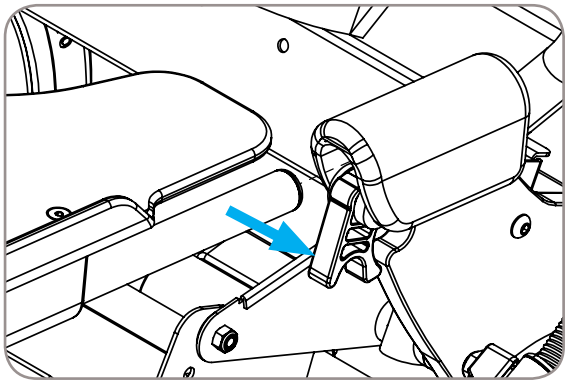


Figure 17

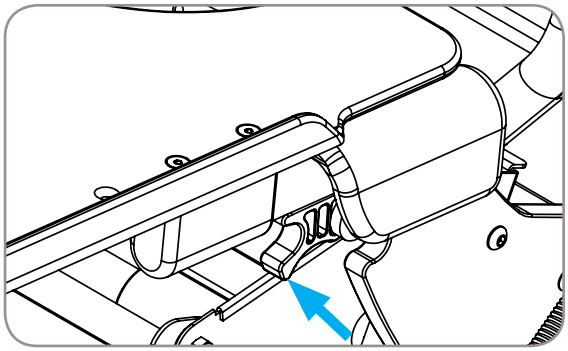


Figure 18

4.13 Changing Activator Dynamic Springs

For Chairs Equipped with Activator Dynamic Seating Option. Resistance of Dynamic back can be changed by installing light, medium, or hard springs. If the child is able to rest with the back extended beyond a 90 degree hip angle, then harder springs are needed.

1. Remove upper nut and washer, Reference Figure 19. 4mm hex wrench & 10mm wrench required. Be careful not to lose inner spacers.
2. Unhook spring eyelet from bolt and slide plate forward to access lower bolt head on backside of plate, Reference Figure 20. Remove Lower nut and washer.
3. Remove current springs, be careful not to lose inner spacers.
4. Install different weight springs.
5. Reinstall lower washer and nut. Tighten, then back off 1/4 turn.
6. Hook spring eyelet over upper bolt. Reinstall washer and nut. Tighten, then back off 1/4 turn.

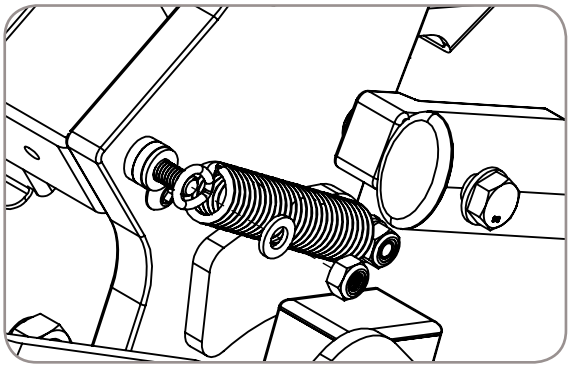


Figure 19

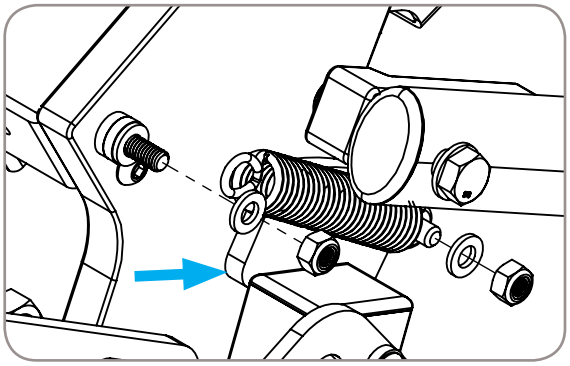


Figure 20

4.14 Using The Dyno Chair As A Seat In A Motor Vehicle

The Dyno Chair is approved for transporting children in motor vehicles when it is equipped with the OPTIONAL transit feature and used in accordance with these instructions. The chair must be secured in a forward-facing position with a Wheelchair Tie-down and Occupant Restraint System (WTORS) which meets the requirements of SAE J2249 Recommended Practice—Wheelchair Tie-down and Occupant Restraint Systems For Use in Motor Vehicles.

IMPORTANT INFORMATION:

This chair conforms to and has been dynamically tested in compliance with ANSI/RESNA WC/Vol. 1 – Section 19.5.3. Please contact Leggero or your authorized Leggero provider if you have any questions regarding use of the chair for seating in a motor vehicle. Contact information can be found on page 2 of this manual.

WARNINGS & INSTRUCTIONS:

- The Dyno chair must be used as indicated in these instructions and the instructions supplied by the vehicle mounted tie-down manufacturer.
- Chair occupant should be transferred to the vehicle seat and use the vehicle restraint system whenever possible.
- The Dyno Chair can accommodate up to 80 lb. Do not exceed this occupant weight.
- The Dyno Chair must be placed in a forward-facing position when used as a seat in a motor vehicle. Use an approved 4-point strap-type tie-down system for the chair. Use an approved 3-point belt to restrain occupant.
- For approved transit tie-down locations and location of belt/harness attachment pin, see Figures 21 and 22.
- Restraints must not be held away from the child's body by chair components or accessories.
- Belt straps should be adjusted until they are snug and do not have slack. If you can pinch the webbing of the belt straps between your fingers, then it is too loose.
- Only belt restraints that comply with the provisions of ANSI/RESNA WC/Vol. 1 – Section 19 4.9.2-4.9.5 and 5.2 that have been dynamically tested in accordance with Annex A & 5.3 of the same, should be used on the chair for use as a restraint in a motor vehicle.

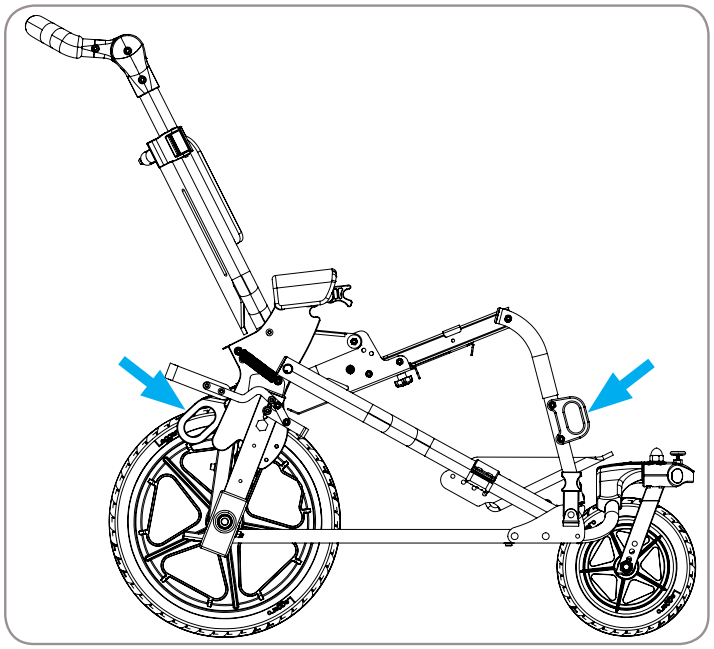


Figure 21

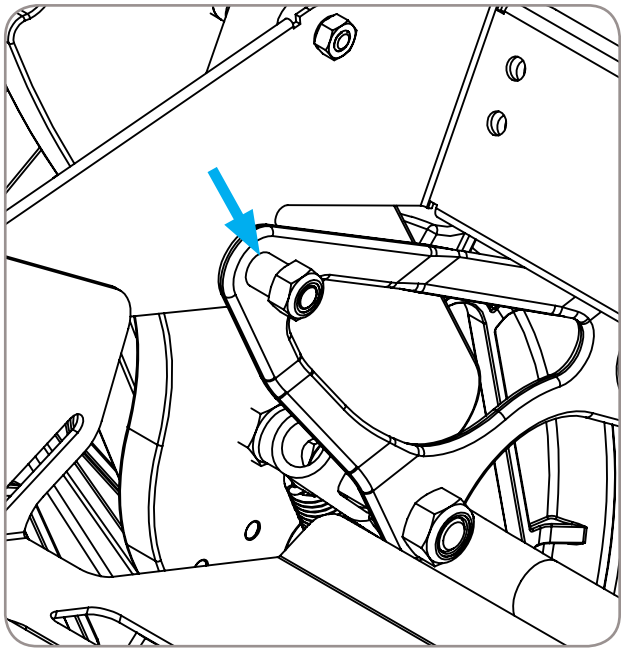


Figure 22

WARNING! If your chair is not equipped with the transit option, do not use it as a seat in a motor vehicle. Transfer the child from the chair to an approved motor vehicle seat.

Section 5: Limited Warranty

A. THIS WARRANTY IS EXTENDED ONLY TO THE ORIGINAL PURCHASER OF OUR PRODUCTS.

B. FOR LIFETIME

Leggero LLC warrants the frame and quick-release axles of this chair against defects in materials and workmanship for the life of the original purchaser. The expected life of this frame is five years.

C. FOR ONE (1) YEAR

We warrant all original equipment parts and components of this chair against defects in materials and workmanship for one year from the date of the first consumer purchase.

D. LIMITATIONS

1. We do not warrant:
   - Tires, tubes, upholstery, push handle grips, or armpads.
   - Damage resulting from neglect, misuse, or from improper installation or repair.
   - Damage resulting from transit use.
   - Damage from exceeding the weight limit indicated on the serial number label.
2. This warranty is valid only when the product is used according to the specified conditions and the intended purposes, following all manufacturer recommendations. It is void otherwise.
3. This warranty shall not apply to problems arising from normal wear, and such evaluation will be solely determined by Leggero LLC.
4. This warranty is void if the product is modified without Leggero's express written consent including, but not limited to, modification through the use of unauthorized parts or attachments; products damaged by reason of repairs made to any component without specific consent of Leggero; or to a product damaged by circumstances beyond Leggero's control, and such evaluation will be solely determined by Leggero.
5. This warranty is void if the original serial number is removed or altered.
6. This warranty applies in the USA only. Check with your supplier if international warranties apply.

E. WHAT MANUFACTURER WILL DO

Our sole liability is to repair or replace covered parts. This is the exclusive remedy for consequential damages.

F. WHAT YOU MUST DO

1. Obtain from us, while this warranty is in effect, prior approval for return or repair of covered parts.
2. Return the product or part(s), freight pre-paid to Leggero LLC. Contact Leggero customer service at 1-844-503-KIDS for a return address and to obtain a return authorization number (RA#).
3. Pay the cost of labor to repair, remove or install parts.

G. NOTICE TO CONSUMER

1. If allowed by law, this warranty is in place of any other warranty, written or oral, express or implied, including a warranty of merchantability, or fitness for a particular purpose.
2. This warranty gives you certain legal rights. You may also have other rights that vary from state to state.

Section 6: Maintenance

Please consult your authorized provider if you have questions regarding maintenance of your Dyno chair. Consistent and thorough maintenance will extend the useful life of your chair. Improper maintenance can significantly decrease the useful life of the chair. Any damaged parts should be replaced prior to resuming use of the chair. The chair should be cleaned regularly and should be serviced by an authorized dealer at least once per year.

Warranty might be affected if proper maintenance is not performed at the specified intervals. Please see table below for recomended maintenance procedures and frequency. There is a maintenance record on the following page of this manual that should be used to document maintenance activities.

Maintenance Activity	Weekly	Monthly
Check tire air pressure (if applicable)	✓	
Check wheels and tires for wear or damage		✓
Check wheel lock function	✓	
Check for proper caster alignment		✓
Verify that all fasteners are tight		✓
Verify that quick release axles function properly	✓	
Check tilt lock mechanism for proper engagement	✓	
Check recline lock mechanism for proper engagement	✓	
Check all structural components for wear or damage		✓
Check all accessory components for damage		✓

We recommend that the chair be cleaned regularly:

- Clean all frame components and plastic parts using mild detergents only.
- Fabric parts may be washed. If using a washing machine, put them in a linen bag or pillow case. Air dry.
- In most cases, wiping with a damp cloth is sufficient.
- Do not use your chair in salt water as severe damage may result.
- Keep sand or other particles from damaging the wheel and caster fork bearings.

Maintenance Record

Date	Service Provider	Technician	Description of Service

Leggero LLC
174 D Shepherd Trail
Bozeman, MT 59718
Toll Free: 1-844-503-KIDS
www.leggero.us